

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (currently amended): A radio base station apparatus comprising:

a receiving section for receiving a packet via a radio transmission path from a terminal;

a judging section for judging the packet received by the receiving section, on whether or not an address designating a transmitting end of the packet thereof is in a predetermined range of addresses ~~that are different from the address allocated to a wireless zone formed by a local station and allocated to a wireless zone adjacent to said wireless zone~~; and

a network interfacing section for routing the packet received by the receiving section ~~that is addressed to a local station~~ when a judgment result of the judging section is true, and forwarding the packet received by the receiving section to ~~[[a]] another radio base station adjacent to a local station~~ the packet that is not addressed to the local station when the judgment result is false, the local station being a radio base station communicating with the terminal ~~the radio base station forming the wireless zone adjacent to a wireless zone formed by a local station~~.

2. (currently amended): The radio base station apparatus according to claim 1, wherein  
said network interfacing section forwards a packet which has arrived from a  
destination of the received packet, to ~~the~~ another radio base station adjacent to the local  
station ~~forming the adjacent wireless zone.~~

3. (currently amended): The radio base station apparatus according to claim I, wherein  
said network interfacing section forwards the packer via a link when the judgment  
result is false, the link being formed between the ~~radio base station apparatus~~ local station  
and ~~the~~ another radio base station adjacent to the local station ~~forming the adjacent~~  
~~wireless zone.~~

4. (currently amended) The radio base station apparatus according to claim 2, wherein  
said network interfacing section forwards the packet via a link when the judgment  
result is false, the link being formed between the ~~radio base station apparatus~~ local station  
and ~~the~~ another radio base station adjacent to the local station ~~forming the adjacent~~  
~~wireless zone.~~

5. (currently amended) The radio base station apparatus according to claim 1, wherein  
said network interfacing section forwards the packet via a path when the judgment  
result is false, the path being formed between the ~~radio base station apparatus~~ local  
station and ~~the~~ another radio base station adjacent to the local station ~~forming the~~  
~~adjacent wireless zone.~~

6. (currently amended) The radio base station apparatus according to claim 2, wherein

said network interfacing section forwards the packet via a path when the judgment result is false, the path being formed between the ~~radio base station apparatus~~ local station and the another radio base station adjacent to the local station ~~forming the adjacent wireless zone.~~

7. (currently amended) The radio base station apparatus according to claim 3, wherein

said link is formed for ~~each~~ a group of radio base stations adjacent to each other ~~individually forming adjacent wireless zones.~~

8. (currently amended) The radio base station apparatus according to claim 4, wherein

said link is formed for ~~each~~ a group of radio base stations adjacent to each other ~~individually forming adjacent wireless zones.~~

9. (currently amended) The radio base station apparatus according to claim 1, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to ~~the wireless zone formed by the local station and to the adjacent wireless zone~~ another radio base station adjacent to the local station, to determine a path to be used for forwarding in a higher layer than a physical ~~layer~~ layer of a packet which has arrived from a destination of the received packer, to the another radio base station adjacent to the local station ~~forming the adjacent wireless zone.~~

10. (currently amended) The radio base station apparatus according to claim 2, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to ~~the wireless zone formed by~~ the local station and ~~its adjacent wireless zone~~ another radio base station adjacent to the local station, to determine a path to be used for forwarding a packet which has arrived from a destination of the received packet, to ~~the~~ another radio base station adjacent to the local station ~~forming the adjacent wireless zone~~.

11. (currently amended) The radio base station apparatus according to claim 5, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to ~~the wireless zone formed by~~ the local station and ~~its adjacent wireless zone~~ another radio base station adjacent to the local station, to determine a path to be used for forwarding a packet which has arrived from a destination of the received packet, to ~~the~~ another radio base station adjacent to the local station ~~forming the adjacent wireless zone~~.

12. (currently amended) The radio base station apparatus according to claim 6, wherein

said network interfacing section cooperates with a base station controlling station for executing channel control relating to ~~the wireless zone formed by~~ the local station and ~~its adjacent wireless zone~~ another radio base station adjacent to the local station, to determine a path to be used for forwarding a packet which has arrived from a destination

of ~~the~~ another received packet, to the radio base station adjacent to the local station  
~~forming the adjacent wireless zone.~~

13. (currently amended): The radio base station apparatus according to claim 1, wherein  
said network interfacing section cooperates with a base station controlling station  
for executing channel control relating to ~~the wireless zone formed by the local station and~~  
~~its adjacent wireless zone~~ another radio base station adjacent to the local station, to  
determine a physical ~~layer~~ layer link to be used for forwarding a packet which has arrived  
from a destination of the received packet, to ~~the~~ another radio base station adjacent to the  
local station ~~forming the adjacent wireless zone.~~

14. (currently amended) The radio base station apparatus according to claim 1, further  
comprising

a monitoring section for gleaning transmission performance of a packet that  
arrives at ~~the~~ another radio base station adjacent to the local station ~~forming the adjacent~~  
~~wireless zone~~ from a destination of the received packet, wherein

said network interfacing section forwards the arriving packet only to a radio base  
station at which the transmission performance gleaned by said monitoring section  
exceeds a predetermined threshold value.

15. (currently amended) The radio base station apparatus according to claim 1, further  
comprising:

a visiting base station determining section for determining ~~one of the local station~~  
~~and the radio base station forming the adjacent wireless zone~~ as a specific radio base  
station which is the one receiving a packet latest and/or receiving a packet at a highest  
level; and

a downstream packet transmitting section for judging whether or not the specific  
radio base station is the local station, and transmitting a packet transmitted from a  
destination of the received packet to the radio transmission path when the judgment result  
is true, and to the specific radio base station when the judgment result is false.

16. (currently amended) The radio base station apparatus according to claim 1, further  
comprising:

a downstream packet distributing section for distributing a packet transmitted  
from a destination of the received packet to ~~the~~ another radio base station adjacent to the  
local station ~~forming said adjacent wireless zone~~; and

a downstream packet transmitting section for comparing the local station to ~~the~~  
another radio base station adjacent to the local station ~~forming the adjacent wireless zone~~  
to judge whether or not the local station receives a packet latest at its receiving section  
and/or receives a packet at a highest level, and transmitting the packet transmitted from  
the destination of the received packet to the radio transmission path only when the  
judgment result is true.

17.-19. (canceled)